

REMARKS

The remarks and amendments herein were previously presented December 10, 2003, but are re-presented for the avoidance of confusion.

The applicant elects Group I without traverse and the following species:

Species A: a Monte Carlo algorithm (reading on claims 1-8, 12-29, 38-66);

Species B: an ensemble of backbone structures (reading on claims 1-8, 12-29, 38-66);

and

Species C: generation by a Monte Carlo simulation (reading on claims 1-8, 12-14, 16, 18, 19-22, 24-29, 38-66).

Examination of generic claims is requested as to their entire scope. Enumeration of the above-elected species is made for initial examination pursuant to 37 C.F.R. 1.146. This rule states that the purpose of a species election is to restrict examination to the species "if no claim to the genus is found to be allowable." Accordingly, the applicant requests that, upon allowance of one or more generic claims, all claims drawn to species of such claims also be allowed. See MPEP 806.04(d).

The newly added claims either depend from claims assigned to Group I, or, if independent, relate to generating a matrix. Support for the newly added claims and amendments to the original claims can be found in the original claims and the specification. No new matter has been added.

The above amendment also inserts a sequence listing to comply with Rule 1.821. The sequence listing also adds no new matter.

Enclosed is a \$210 check for the Petition for Extension of Time fee. Please apply any other

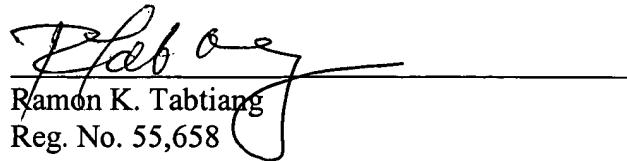
Applicant : John R. Desjarlais
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charges, including charges for excess claims, to deposit account 06-1050, referencing attorney docket number 16380-002001.

Respectfully submitted,

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